4-Port 2.5Gbps NBASE-T PCIe Network Card, Intel I225-V, Quad-Port Computer Network Card, Multi-Gigabit NIC, PCI Express Server LAN Card, Desktop Ethernet Interface

Product ID: PR42GI-NETWORK-CARD



This quad-port 2.5 GbE network interface card (NIC) features an Intel I225-V chipset with Intel vPro technology, to enhance performance and data integrity across four 2.5G ethernet connections. The variable multispeed options (2.5/1Gbps and 100/10Mbps) enable support for both new and legacy network hardware. Utilize existing Cat5e or CAT6 cabling infrastructure while adding NBASE-T (802.3bz) compatibility for seamless integration.

The PCIe network card leverages Intel vPro technology for remote management and troubleshooting capabilities. Improve bandwidth for data-intensive applications, network sharing, FTPs, online or local storage/backup, and the streaming of online content - while reducing network slowdowns. Access up to 2.5GBASE-T speeds using Cat5e (or better) cabling, to maximize existing networks and equipment.

The network interface card connects via an available x4 PCI Express 2.0 (or higher) expansion slot. The card ships in a standard-profile bracket and includes a low-profile bracket for installation into small form factor systems and servers. This ethernet NIC card is compatible with Windows, Windows Server, VMware, and Linux.

This card supports the following advanced features: PXE Boot, WoL, VLAN tagging, 9 K jumbo frame, full-duplex, and Intel vPro technology.

Certifications, Reports and Compatibility

Applications

Features

• 2.5G ETHERNET CARD: High-performance PCIe 2.5Gbps quad-port network card with Intel I225-V chip; Multi-gigabit; Leverage existing Cat5e/Cat6 cabling (or better); NBASE-T compatible (802.3bz); PCI Express 2.0 x4

• IT MANAGEABILITY: Intel vPro for remote management and troubleshooting; PXE boot enabled to deployment speeds/updates; 9K jumbo frame for reduced packet overhead; Remotely boot a system using WoL; VLAN support for efficient network management

• BUILD QUALITY: LAN card features: built-in heatsink to keep controller chips running cool and for optimal performance, LED indicators for link status/speed, LAN transformers maintain signal quality and reduced EMI for reliable communication

• COMPATIBILITY: 2.5GBASE-T variable speed options (2.5 G/1 G/100 M/10 M) with auto-negotiation; Network interface card for PC is compatible with Windows, Windows Server, VMware, and Linux; Low profile bracket included for hardware compatibility

• THE IT PRO'S CHOICE: Designed and built for IT Professionals, this 2.5 Gbps Network Card is backed for two years, including free lifetime 24/5 multi-lingual technical assistance

Hardware

Warranty	2 Years
Ports	4
Interface	RJ45 (2.5G Ethernet)
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Port Style	Integrated on Card
Industry Standards	IEEE 802.3bz (2.5GBASE-T) IEEE 802.3ab (1000BASE-T) IEEE 802.3u (100BASE-TX) IEEE 802.3i (10BASE-TX) IEEE 802.1Q (VLAN) IEEE 802.1p (QoS) IEEE 802.1AS (AVB) IEEE 802.1X (WoL) IEEE P802.3az (EEE) IEEE 1588 (PTP) PCI Express Version 2.0
Chipset ID	Intel - I225-V

Performance

Maximum Data Transfer Rate	2.5 Gbps
Compatible Networks	2.5G/1G/100Mbps/10Mbps

	Auto MDIX	Yes
	PXE	Yes
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
Connector(s)		
	Connector Type(s)	1 - PCI Express x4
	External Ports	4 - RJ-45
Software		
	OS Compatibility	Windows 10, 11 Windows Server 2019, 2022 VMware ESXi 7.0 Linux 5.8.x and up - LTS Versions only
Special Notes / Requirements		
	Note	Ethernet Port 1 (P1) supports WoL (Wake-on-LAN) P2, P3, and P4 do not support the WoL feature.
Indicators		
	LED Indicators	4 - Left LED Indicator is Link Status Solid Green: Active Link Flashing Green: Activity 4 - Right LED Indicator is Link Speed Solid Green: 2.5 Gbps Solid Amber: 1.0 Gbps Off: 100 or 10 Mbps Flashing Green: Activity
Power		
	Power Source	Bus Powered
Environmental		
	Operating Temperature	0C to 55C (32F to 131F)
	Storage Temperature	10C - 70C (14F - 158F)
	Humidity	5% - 90% RH
Physical Characteristics		

	Color	Black
	Product Length	4.7 in [12.0 cm]
	Product Width	6.6 in [16.7 cm]
	Product Height	0.8 in [2.2 cm]
	Weight of Product	3.5 oz [100.0 g]

Packaging Information		
	Package Quantity	1
	Package Length	5.7 in [14.5 cm]
	Package Width	8.5 in [21.5 cm]
	Package Height	1.3 in [3.4 cm]
	Shipping (Package) Weight	7.1 oz [200.0 g]

What's in the Box		
	Included in Package	1 - 4-Port PCIe 2.5 Gbps Network Card
		1 - Low Profile Bracket
		1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.